

**Abstract**

The present invention is a group of medical devices designed to improve heart valve function. The medical devices may be used individually, or in  
5 combination to supplement damaged valves, replace damaged valves, or improve damaged valves function. The medical devices include leaflet retainers, a neo-annulus, neo-leaflet, and a framework. In addition, the present invention is novel methods for surgically treating heart  
10 valves.